

ABSTRACT OF THE INVENTION

The light sensor has a plate-shaped light guide in which a plurality of reflection portions each comprising a V groove are parallelly arranged on one plane thereof. An end face of the light guide which faces the side surfaces of the V grooves is opposed to a light emitting face of a light emitter. Light receivers are disposed at an appropriate distance from the light guide so that the light receiving faces thereof are opposed to the other plane of the light guide. Light emitted from the light emitter is taken in the light guide, is reflected at the reflection portions, and is ejected from the other plane toward the light receivers. With the light sensor, the range of detection by one light emitter is large, it is easy to adjust the optical axes, and the number of provided light emitters can be reduced.